Joint Mission Planning System – Army

JMPS-Army Framework
Brief for SEIT Industry Day

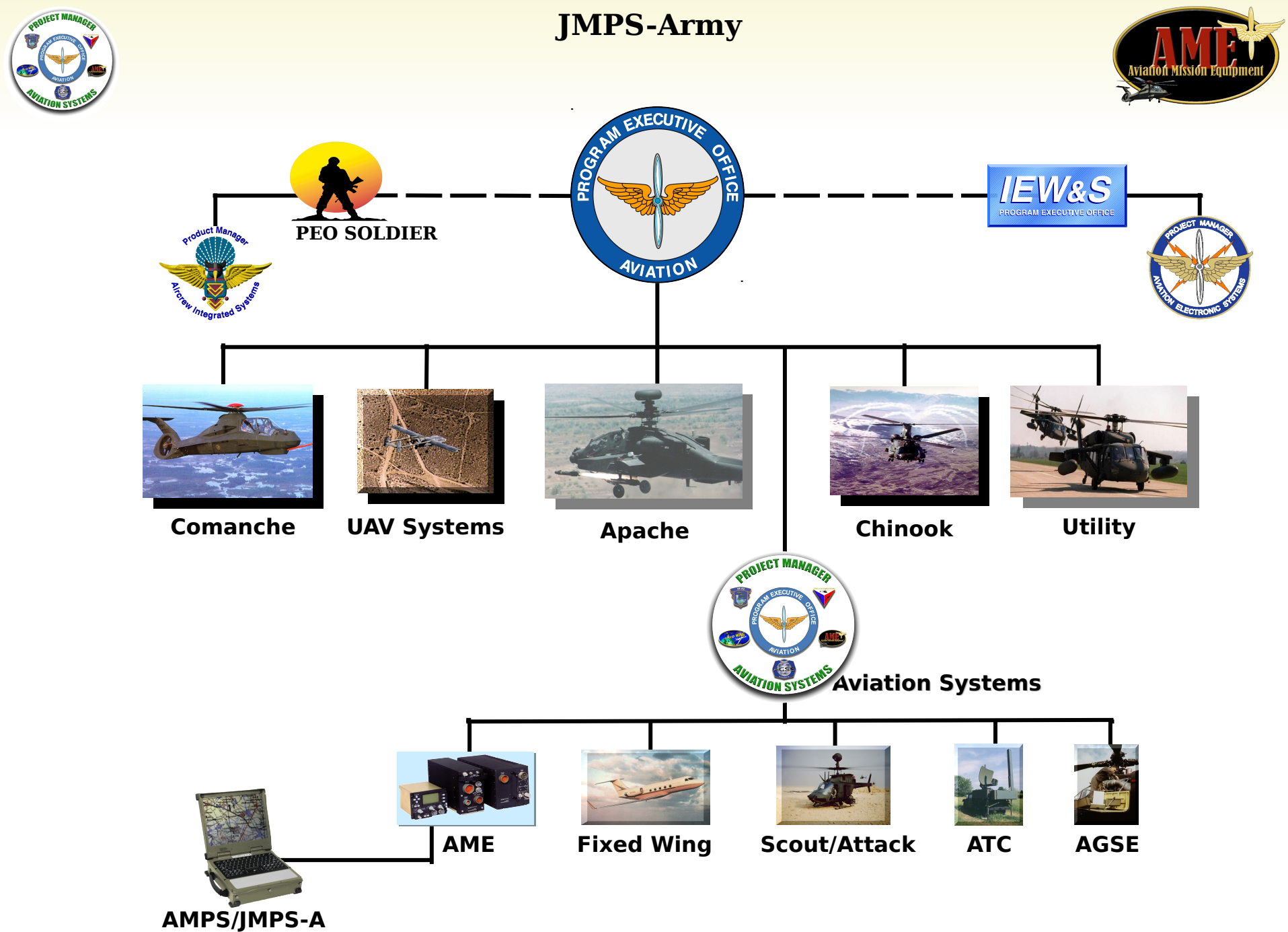*16 Dec 02*

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(AMPS)
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Agenda

◆ **Program organizational structure for Army aviation mission planning**

◆ **Tactical information exchange overview**

◆ **Army mission planning hardware**

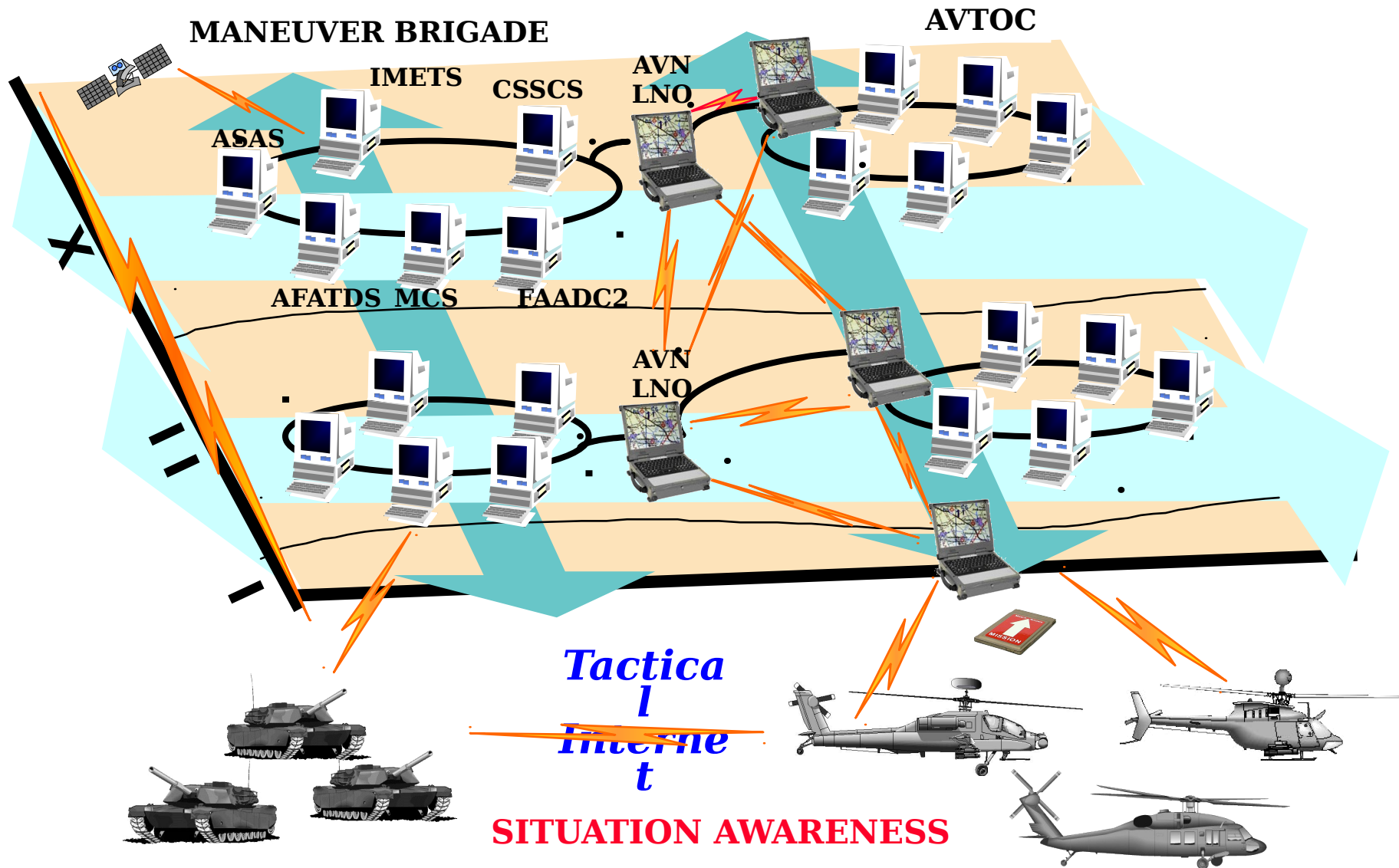◆ **AMPS software migration path to JMPS**

◆ **JMPS-Army Framework**

JMPS-Army

PEO SOLDIER

IEW&S PROGRAM EXECUTIVE OFFICE

Comanche

UAV Systems

Apache

Chinook

Utility

Aviation Systems

AME

Fixed Wing

Scout/Attack

ATC

AGSE

AMPS/JMPS-A

Battlefield Information Exchange

COMMAND & CONTROL

SITUATION AWARENESS

AMPS/JMPS-Army Hardware

- ◆ CPU: 1.7 GHz Pentium IV
- ◆ Hard Drive: 40 GB
- ◆ Display: 13.3" Sunlight
  readable (1024x768)
- ◆ DRAM: 512 MB
- ◆ Video RAM: 64 MB
- ◆ OS: Windows 2000
- ◆ Meets all AMPS ORD
  environmental and
  ruggedization requirements
- ◆ TSC Series Mfd. By MILTOPE Corp.

AMPS 5.2 to JMPS-A Migration

2002   **2003**   **2004**   **2005**   **2006**

AMPS 5.2

LB SW V 1- 6
AH-64A Mod
KW (CDS 2, 3, 4)
UH-60A/L
CH-47D

LB SW V 6
AH-64A Mod
KW (CDS 2, 3, 4)
UH-60A/L
CH-47D

JMPS-A
(April 0)

PFPS-A

AMPS PFPS-A
(June 0)

AMPS
PFPS

UH-60A/L
CH-47D
AH-64A Mod

UH-60A/L
CH-47D
AH-64A Mod
LB SW V 6, 7/8
KW (CDS 2, 4)
UH-60Q

UH-60A/L
CH-47D
AH-64A Mod
LB SW V 6, 7/8
KW (CDS 2, 4)
UH-60Q
LB SW V 6.1, 8.1

LB SW V 6.1, 10
AH-64A Mod
KW (CDS 2, 4)
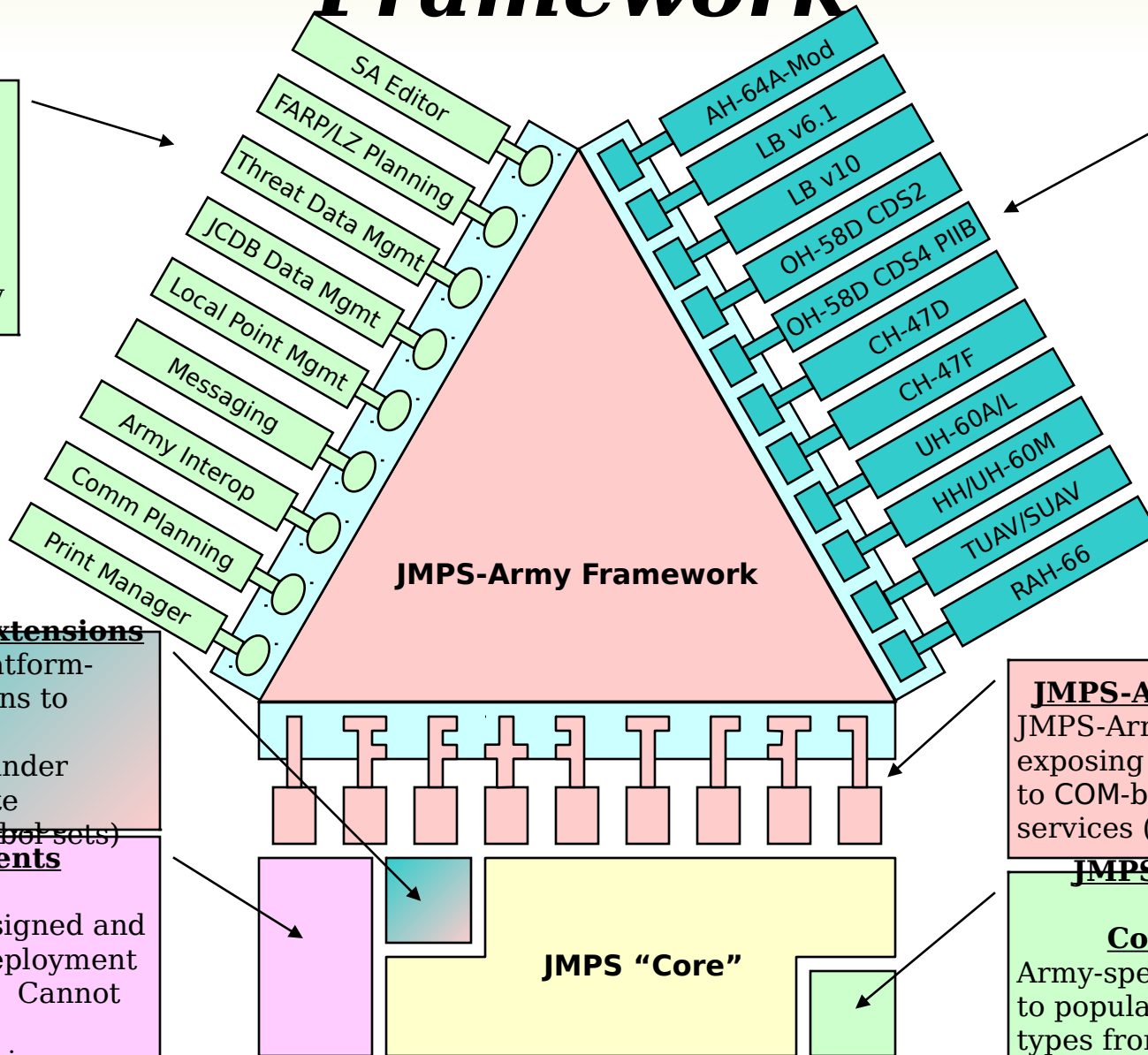UH-60A/L/M/Q
HH-60L/M
CH-47D/F
Comanche

PFPS/JMPS

JMPS-Army
Framework

Common Tools & Services
Army-unique capabilities that support multiple Army platforms.

SA Editor
FARP/LZ Planning
Threat Data Mgmt
JCDB Data Mgmt
Local Point Mgmt
Messaging
Army Interop
Comm Planning
Print Manager

JMPS-Army Framework

AH-64A-Mod
LB v6.1
LB v10
OH-58D CDS2
OH-58D CDS4 PIIB
CH-47D
CH-47F
UH-60A/L
HH/UH-60M
TUAV/SUAV
RAH-66

Platform-Unique Planning Components (UPC's)
Components that map mission planning data from JMPS-Army to specific aircraft DTD formats.

JMPS-Army Extensions
Army and/or platform-unique extensions to existing JMPS components. (binder extensions, route extensions, symbol sets)

Components
JMPS common components designed and packaged for deployment across services. Cannot use JMPS-Army Framework services. (e.g. Close Air Support for helicopter platforms)

JMPS "Core"

JMPS-Army API Layer
JMPS-Army components exposing **.NET** interfaces to COM-based JMPS services (as needed).

JMPS-Army Data Access Components
Army-specific components to populate JMPS data types from Army-unique sources. (threats)